

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) In a computing device, a method of adding to a directory information tree comprising ~~the steps of~~:

- a) accessing a template name;
- b) reading a template according to said accessed template name, said template comprising structural information of said directory information tree;
- c) receiving a first set of attributes from an application program, said received first set of attributes not including a location within said directory information tree;
- d) constructing ~~an~~ constructed entry comprising: i) said received first set of attributes; and ii) a destination location within said directory information, wherein said destination location is generated using said structural information; and
- e) adding said constructed entry to said directory information tree at said destination location.

2. (Original) A method as described in Claim 1 wherein said template further comprises a second set of attributes, said second set comprising default values for inclusion in said constructed entry.

3. (Original) A method as described in Claim 1 wherein said template further comprises a third set of attributes, said third set comprising attributes that are required to have assigned values.

4. (Original) A method as described in Claim 1 wherein said template further comprises information specifying a verification program for verifying one or more attributes of said first set of attributes.

5. (Original) A method as described in Claim 1 wherein said template further comprises:

- i) a second set of attributes, said second set comprising default values for inclusion in said constructed entry;

ii) a third set of attributes, said third set comprising attributes that are required to have assigned values; and

iii) information specifying a program for verifying one or more attributes of said first set of attributes.

6. (Original) A method as described in Claim 5 wherein said template is an XML file.

7. (Currently Amended) A method as described in Claim 1 further comprising ~~the step of~~ detecting ~~the~~ a condition of said constructed ~~element~~ entry being unacceptable for addition to said directory information tree.

8. (Original) A method as described in Claim 1 wherein said template is an XML file.

9. (Original) A method as described in Claim 1 wherein said directory information tree is an LDAP directory.

10. (Currently Amended) In a computing device, a method of adding an entry to directory information tree comprising ~~the steps of~~:

a) passing a template name to an application program interface, said named template comprising structural information of said directory information tree; and

b) passing information for said entry to said application program interface, said passed information not including a location for said entry within said directory information tree.

11. (Original) A method as described in Claim 10 wherein said template is an XML file.

12. (Original) A method as described in Claim 10 wherein said directory information tree is an LDAP directory.

13. (Currently Amended) In a computing device, a method of searching a directory information tree comprising ~~the steps of~~:

- a) accessing a template name;
- b) reading a template according to said accessed template name, said template comprising:
 - i) structural information of said directory information tree; and
 - ii) a first set of attributes;
- c) accessing a second set of attributes from an application program, said accessed second set not included in said first set;
- d) constructing a query object comprising:
 - i) said first set of attributes;
 - ii) said second set of attributes;
- e) performing a query operation using said query object.

14. (Original) A method as described in Claim 13 wherein said template further comprises information specifying a program for verifying one or more attributes in said second set of attributes.

15. (Original) A method as described in Claim 13 wherein said template is an XML file.

16. (Original) A method as described in Claim 13 wherein said directory information tree is an LDAP directory.

17. (Currently Amended) A computer readable medium having instructions stores therein for implementing a program module that directs the addition of an entry to a directory information tree, to function in a specified manner, said instructions for:

- a) accessing a template name;
- b) reading a template according to said received template name, said template comprising structural information of said directory information tree;
- c) receiving a first set of attributes from an application program, said received first set of attributes not including a location within said directory information tree;
- d) constructing an constructed entry comprising

- i) said received first set of attributes; and
- ii) a destination location within said directory information, wherein said destination location is generated using said structural information; and
- e) adding said constructed entry to said directory information tree at said destination location.

18. (Original) A computer readable medium as described in Claim 17 wherein said template further comprises a second set of attributes, said second set comprising default values for inclusion in said constructed entry.

19. (Original) A computer readable medium as described in Claim 17 wherein said template further comprises a third set of attributes, said third set comprising attributes which are required to have assigned values.

20. (Original) A computer readable medium as described in Claim 17 wherein said template further comprises information specifying a verification program for verifying one or more attributes of said first set of attributes.

21. (Original) A computer readable medium as described in Claim 17 wherein said template further comprises:

- i) a second set of attributes, said second set comprising default values for inclusion in said constructed entry;
- ii) a third set of attributes, said third set comprising attributes that are required to have assigned values; and
- iii) information specifying a program for verifying one or more attributes of said first set of attributes.

22. (Original) A computer readable medium as described in Claim 21 wherein said template is an XML file.

23. (Currently Amended) A computer readable medium as described in Claim 17 further comprising ~~the step of detecting the~~ a condition of said constructed entry being

unacceptable for addition to said directory information tree.

24. (Original) A computer readable medium as described in Claim 17 wherein said template is an XML file.

25. (Original) A computer readable medium as described in Claim 17 wherein said directory information tree is an LDAP directory.

26. (Original) A computer readable medium having computer program instructions stored therein for implementing a program module that directs the addition of an entry to a directory information tree, to function in a specified manner, the program module comprising instructions for:

a) passing a template name to an application program interface, said named template comprising structural information of said directory information tree; and

b) passing information included for said entry to said application program interface, said passed information not including location for said entry within said directory information tree.

27. (Original) A computer readable medium as described in Claim 26 wherein said template is an XML file.

28. (Original) A computer readable medium as described in Claim 26 wherein said directory information tree is an LDAP directory.

29. (Currently Amended) In a computing device, a method of adding an entry to a directory information tree comprising ~~the steps of~~:

A) passing a template name to an application program interface, said named template comprising structural information of said directory information tree;

B) receiving said template name;

C) reading a template according to said received template name, said template comprising:

- i) structural information of said directory information tree;
- ii) a second set of attributes, said second set comprising default attribute values:
 - iii) a third set of attributes, said third set comprising attributes that are required to have assigned values; and
 - iv) information specifying a verification program;
- D) passing a first set of attributes to said application program interface, said passed first set of attributes not including a location for said entry within said directory information tree;
- E) receiving said first set of attributes;
- F) verifying of one or more attributes of said first set of attributes using said verification program;
- G) constructing said entry comprising:
 - i) said received first set of attributes;
 - ii) said second set of attributes; and
 - iii) a destination location within said directory information, said destination location generated using said structural information;
- H) detecting the condition of said constructed entry being unacceptable for addition to said directory information tree; at least one said condition being the absence of a value for any attribute in said third set of attributes;
- I) if said constructed entry is unacceptable, generating an error condition; and
- J) adding said constructed entry to said directory information tree at said destination location.